

PATENTS

UNITED STATES PATENT AND TRADEMARK OFFICE

Application: 10/732,728

Examiner:

Filed: December 10, 2003

Art Unit:

Inventor: Alan E. Opel

Atty Ref.: 0104454.0521461

Title: **APPARATUS TO PROVIDE DRY ICE IN DIFFERENT PARTICLE SIZES TO AN AIRSTREAM FOR CLEANING OF SURFACES**

**STATEMENT UNDER 37 CFR 3.73(b),
REVOCATION OF POWER OF ATTORNEY,
NEW POWER OF ATTORNEY, AND
CHANGE OF CORRESPONDENCE ADDRESS**

Cold Jet Alpheus, LLC, an Ohio corporation, is the assignee of record of the entire right, title and interest in the above-referenced patent application by virtue of the assignment of the parent application (USSN 09/966,523) of the above-referenced patent application. The assignment was recorded in the United States Patent and Trademark Office at Reel 014108, Frame 0381. A true and accurate copy of the assignment is attached. The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application. I hereby appoint the Practitioners at Customer Number 26874, c/o Frost, Brown, Todd LLC, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith. Please direct all correspondence relating to this application to Customer Number 26874.

By:

Name: Eugene L. Cooke, III

Title: President

Date:

3/11/04

Certificate of Mailing

The undersigned certifies that this correspondence was deposited with the U.S. Postal Service with sufficient postage as first class mail and addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on 3/16, 2004.

Carol Ann Miller



NOVEMBER 07, 2003

PROST BROWN TODD LLC
EDWIN R. ACHESON, JR.
2200 PNC CENTER
201 EAST FIFTH STREET
CINCINNATI, OH 45202



PTAS

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



700051780A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/07/2003

REEL/FRAME: 014108/0381
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CAE ALPHEUS INC.

DOC DATE: 08/27/2003

ASSIGNEE:

COLD JET ALPHEUS, LLC
455 WARDS CORNER ROAD
LOVELAND, OHIO 45140

SERIAL NUMBER: 09978508
PATENT NUMBER:

FILING DATE: 10/15/2001
ISSUE DATE:

SERIAL NUMBER: 09975908
PATENT NUMBER:

FILING DATE: 10/12/2001
ISSUE DATE:

SERIAL NUMBER: 09966523
PATENT NUMBER:

FILING DATE: 09/28/2001
ISSUE DATE:

SERIAL NUMBER: 08270130
PATENT NUMBER: 5520572

FILING DATE: 07/01/1994
ISSUE DATE: 05/28/1996

014108/0381 PAGE 2

SERIAL NUMBER: 09333087
PATENT NUMBER: 6346035

FILING DATE: 12/24/1998
ISSUE DATE: 02/12/2002

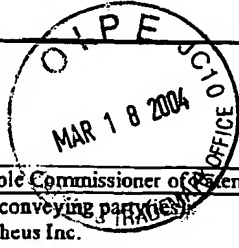
SERIAL NUMBER: 09975904
PATENT NUMBER: 6447377

FILING DATE: 10/12/2001
ISSUE DATE: 09/10/2002

JEFFREY OLSEN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

11/07/2003

FORM PTO-1595
1-31-92



RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): CAE Alpheus Inc.	2. Name and address of receiving party(ies): Name: <u>Cold Jet Alpheus, LLC</u> Internal Address: _____ Street Address <u>455 Wards Corner Road</u> City: <u>Loveland</u> State: <u>OH</u> ZIP: <u>45140</u> Additional name(s) & address(es) attached? Yes No
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other _____ Execution Date: <u>August 27, 2003</u>	

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____	
A. Patent Application No.(s) 09/978,508 09/975,908 09/966,523	B. Patent No.(s) 5,520,572 6,346,035 6,447,377
Additional numbers attached? Yes No	

5. Name and address of party to whom correspondence Concerning document should be mailed: Name: <u>Edwin R. Acheson, Jr.</u> Internal Address: <u>FROST BROWN TODD LLC</u> Street Address: <u>2200 PNC CENTER</u> <u>201 East Fifth Street</u> City: <u>Cincinnati</u> State: <u>OH</u> ZIP: <u>45202</u>	6. Total number of applications and patents involved: <u>6</u> 7. Total fee (37 CFR 3.41).... \$ <u>240.00</u> Enclosed X Authorized to be charged to deposit account <u>06-2226</u> 8. Deposit Account Number (Attach duplicate copy of this page if paying by deposit count)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

DO NOT USE THIS SPACE

9 Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
<u>Edwin R. Acheson, Jr.</u> <u>31,808</u> Name of Person Signing, Registration Number	<u>Edwin R. Acheson, Jr.</u> Signature	<u>11/7/03</u> Date
Total number of pages including cover sheet, attachments, and document		<u>4</u>

CH \$240.00 062226 09978508

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

CAE Alpheus Inc.

2. Name and address of receiving party(ies):

Name: Cold Jet Alpheus, LLC

Internal Address: _____

Street Address 455 Wards Corner Road

City: Loveland State: OH ZIP: 45140

Additional name(s) & address(es) attached? Yes No

Yes

No

Additional name(s) of conveying party(ies) attached? Yes No

Yes

No

3. Nature of conveyance:

X Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: August 27, 2003

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A Patent Application No.(s)

09/978,508

09/975,908

09/966,523

B. Patent No.(s)

5,520,572

6,346,035

6,447,377

Additional numbers attached? Yes No

Yes

No

5. Name and address of party to whom correspondence
Concerning document should be mailed:

Name: Edwin R. Acheson, Jr.

Internal Address: FROST BROWN TODD LLC

Street Address: 2200 PNC CENTER
201 East Fifth Street

City: Cincinnati State: OH ZIP: 45202

6. Total number of applications and patents involved: 6

7. Total fee (37 CFR 3.41).... \$ 240.00

Enclosed

X Authorized to be charged to deposit account

06-2226

8. Deposit Account Number

(Attach duplicate copy of this page if paying by deposit
count)

DO NOT USE THIS SPACE

9 Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Edwin R. Acheson, Jr. 31,808

Name of Person Signing, Registration Number

Edwin R. Acheson, Jr.
Signature

11/13/03
Date

Total number of pages including cover sheet,
attachments, and document

4

ASSIGNMENT

WHEREAS, CAE Alpheus Inc., a company duly organized and existing under the laws of the State of California (hereinafter referred to as "Assignor"), is the owner of the entire right, title and interest in, to and under the patents and patent applications, and all inventions described therein, listed on Exhibit A attached hereto (collectively "Patents"); and

WHEREAS, Cold Jet Alpheus, LLC, a corporation duly organized and existing under the laws of the State of Ohio (hereinafter referred to as "Assignee"), is desirous of acquiring all right, title and interest in the Patents;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, hereby sells, assigns, and transfers and sets over, and by these presents do hereby sell, assign, transfer and set over unto Assignee, its successors, legal representatives and assigns, all right, title and interest, in, to and under the Patents, including without limitation all divisions, renewals, continuations, reissues, reexaminations, and extensions thereof, together with the right to file applications therefor in the United States and in any foreign country; and including, but not limited to, the right to recover damages for infringement which occurs prior to the date of this Assignment.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue the same to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

Assignor hereby grants the firm of Frost Brown Todd LLC the power to insert in this Assignment any further identification or information which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Assignor hereby covenants and agrees that it has full right to convey the interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

Assignor hereby further covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting the Patents, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination and foreign applications, make all rightful oaths, and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper protection for the Patents in all countries.

CAE Alpheus Inc.

Hartland Paterson

Hartland Paterson

Director

CAE Alpheus, Inc

9119 Milliken Avenue

Rancho Cucamonga, CA 91730

PROVINCE
STATE OF QUEBEC, CANADA
CITY) SS:
COUNTY OF MONTREAL (ST-LAURENT)

Sworn to and subscribed before me this 27 day of AUGUST, 2003.

My Commission expires: 15 FOR LIFE

Me Paterson
Notary Public

CinLibrary/1296092.4

EXHIBIT A

United States Patents:

5,520,572, issued May 28, 1996, Apparatus For Producing And Blasting Sublimable Granules On Demand

6,346,035, issued February 12, 2002, Generation Of An Airstream With Sublimable Solid Particles

6,447,377, issued September 10, 2002, Dry Ice Blasting Gun With Adjustable Nozzle

United States Patent Applications:

Serial No. 09/978508, filed October 15, 2001, Enablement of selection of gas/dry ice ratios within an allowable range, and dynamic maintenance of the ratio in a blasting stream

Serial No. 09/975908, filed October 12, 2001, Low flow rate nozzle system for dry ice blasting

Serial No. 09/966523, filed September 28, 2001, Apparatus to provide dry ice in different particle sizes to an airstream for cleaning of surfaces